

June 25, 2002

Mr. John L. Skolds, President
and Chief Nuclear Officer
Exelon Nuclear
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, Illinois 60555

SUBJECT: CLINTON POWER STATION, UNIT 1 - ISSUANCE OF AMENDMENT
(TAC NO. MB2189)

Dear Mr. Skolds:

The U.S. Nuclear Regulatory Commission (Commission) has issued the enclosed Amendment No. 152 to Facility Operating License No. NPF-62 for the Clinton Power Station, Unit 1. The amendment is in response to the application from AmerGen Energy Company, LLC, dated April 17, 2001.

The amendment makes editorial and administrative corrections to Technical Specifications (TS) Section 3.3, "Instrumentation," and eliminates minor discrepancies between TS Section 3.3 and other plant licensing basis documents.

A copy of the Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's next biweekly *Federal Register* notice.

Sincerely,

/RA/

Jon B. Hopkins, Senior Project Manager, Section 2
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-461

Enclosures: 1. Amendment No. 152 to NPF-62
2. Safety Evaluation

cc w/encls: See next page

June 25, 2002

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ADAMS ACCESSION NUMBER:ML021480020

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OFFICIAL RECORD COPY

Clinton Power Station, Unit 1

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Clinton Power Station, Unit 1

- 2 -

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AMERGEN ENERGY COMPANY, LLC

DOCKET NO. 50-461

CLINTON POWER STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 152
License No. NPF-62

1. The U.S. Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by AmerGen Energy Company, LLC (the licensee), dated April 17, 2001, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-62 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A and the Environmental Protection Plan contained in Appendix B, as revised through Amendment No.152 are hereby incorporated into this license. AmerGen Energy Company, LLC shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

/RA/

Anthony J. Mendiola, Chief, Section 2
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical
Specifications

Date of Issuance: June 25, 2002

ATTACHMENT TO LICENSE AMENDMENT NO. 152

FACILITY OPERATING LICENSE NO. NPF-62

DOCKET NO. 50-461

Replace the following pages of the Appendix "A" Technical Specifications with the attached revised pages. The revised pages are identified by amendment number and contain marginal lines indicating the areas of change.

Remove Pages

3.3-22
3.3-56
3.3-58
3.3-59
3.3-77

Insert Pages

3.3-22
3.3-56
3.3-58
3.3-59
3.3-77

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 152 TO FACILITY OPERATING LICENSE NO. NPF-62

AMERGEN ENERGY COMPANY, LLC

CLINTON POWER STATION, UNIT 1

DOCKET NO. 50-461

1.0 INTRODUCTION

By letter dated April 17, 2001, AmerGen Energy Company, LLC (the licensee), submitted an application to amend the Technical Specifications (TS) for the Clinton Power Station (CPS). The proposed amendment would make four clarifying changes to TS Section 3.3, "Instrumentation"; thereby, eliminating minor discrepancies between TS Section 3.3 and other plant licensing basis documents.

2.0 EVALUATION

The first proposed change is to item 10 of TS Table 3.3.3.1-1, "Post Accident Monitoring Instrumentation. The change is to the title of the Function from "Suppression Pool Quadrant Water Temperature" to "Suppression Pool Water Bulk Average Temperature." The purpose of this change is to clarify that the temperature obtained is an average value for the suppression pool and not individual quadrant temperatures although temperature instruments are located in all four quadrants of the suppression pool. The Nuclear Regulatory Commission (NRC) staff has reviewed this proposed change and concludes that the change of title does not change TS requirements and is acceptable.

The second proposed change is to change the location of the reactor vessel water level-low low, level 2 function from item 2.c of TS Table 3.3.6.1-1, "Primary Containment and Drywell Isolation Instrumentation" to item 3.h of the same TS Table. The reason for the change is that this function only closes two reactor core isolation cooling valves, and therefore, the function is more applicable to item 3, "Reactor Core Isolation Cooling (RCIC) System Isolation," of the TS Table rather than item 2, "Primary Containment and Drywell Isolation." The NRC staff has reviewed this proposed change and finds that the TS requirements are not changed, and the new TS location is appropriate. Therefore, the staff concludes that the proposed change is acceptable.

The third proposed change is to item 3.k of TS Table 3.3.6.1-1. This item is the manual initiation function of RCIC system isolation. Currently, TS require that there be two required

channels for the manual initiation function. However, there is only one push button for introducing a manual isolation signal into the RCIC system isolation logic. Therefore, the licensee proposes changing the TS to require only one channel for the manual initiation function of RCIC isolation. CPS TS used to require only one channel; however, when the licensee submitted Improved Technical Specifications (ITS) in 1994, the submittal mistakenly included a requirement for two channels. Subsequently, ITS was approved with the requirement for two channels of manual initiation for RCIC isolation. The NRC staff has reviewed this proposed change and finds that there is only one manual RCIC isolation channel, and therefore, the proposed change to one required channel for this function is acceptable.

The fourth proposed change is to TS Table 3.3.7.1-1, "Control Room Ventilation System Instrumentation," item 1, "Control Room Air Intake Radiation Monitors." The allowable value would be changed from less than or equal to 10 mR/hr to less than or equal to 26 mR/hr. The value of 10 mR/hr was listed in the TS prior to the conversion to the ITS; however, the value was listed as the "Alarm/Trip Setpoint." During the conversion to ITS, the column heading was changed from "Alarm/Trip Setpoint" to "Allowable Value." The impact of the heading change was not noticed during the ITS conversion. The trip setpoint value is being maintained at 10 mR/hr and is included in a licensee-controlled document. The licensee has used approved design setpoint methodology and plant-specific values for input parameters to calculate the TS allowable value. The value was calculated to be less than or equal to 26 mR/hr. The NRC staff has reviewed the proposed change and, based on the foregoing, finds that the proposed allowable value of less than or equal to 26mR/hr is acceptable.

The NRC staff has reviewed the proposed four changes, and based on the above, the staff concludes that the proposed TS including the TS Bases are acceptable.

3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Illinois State official was notified of the proposed issuance of the amendment. The State official had no comments.

4.0 ENVIRONMENTAL CONSIDERATION

This amendment changes a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 or changes a surveillance requirement. The NRC staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendment involves no significant hazards consideration and there has been no public comment on such finding (66 FR 66463). Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendment.

5.0 CONCLUSION

The staff has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by

operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: J. Hopkins

Date: June 25, 2002